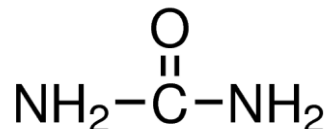


Department: Quality Control
Document No: LCPL/QSD/QAD/11
SOP No.: SOP/QC/11-U002
SPECIFICATION : UREA AR

Issue date	23/04/2018	Review date	22/04/2023	Location	All Units
Version No.:	00	Supersedes	--	Page No	1 of 1

PRODUCT DETAILS

1	Molecular Formula	NH ₂ CONH ₂
2	Product code	U002
3	Molecular weight	60.06
4	CAS No	57-13-6
5	Risk Statement No	--
6	Safety Statement No	24/25
7	UN No.	--


PACKING DETAILS

	Product code	Pack size
1	U00210	500 g

PRODUCT SPECIFICATION
SL. No. TEST PARAMETERS
LIMITS

1	Description	White crystals or crystalline powder.
2	Clarity	10% solution in water is clear and colourless.
3	Assay	Not less than 99.5%
4	Melting range	Between 132.0 and 135.0°C
5	Water insoluble matter	Not more than 0.003%
6	Acidity	Not more than 0.002%
7	Alkalinity	Not more than 0.002%
8	Chloride (Cl)	Not more than 0.0005%
9	Sulphate (SO ₄)	Not more than 0.001%
10	Biuret	Not more than 0.05%
11	Heavy metals (as Pb)	Not more than 0.0002%
12	Iron (Fe)	Not more than 0.0001%
13	Sulphated ash	Not more than 0.005%

SAFETY SYMBOLS